

ABSTRACT

An apparatus capable of moving a shiftable valve member into a closed position, the shiftable valve member mounted in a valve housing having a bore and being moveable between at least one open and at least one closed position relative to the bore, includes at least one
5 elastically deformable member that extends at least partially around the circumference of the bore and is disposed at least partially in a cavity in the valve housing. Each elastically deformable member is elongated, has first and second ends and is connected to the shiftable valve member at one location and to the valve housing at at least one other location. Each
10 elastically deformable member is torsionally loaded to provide biasing, closing force to the shiftable valve member to assist in moving the shiftable valve member into a closed position and retaining it in the closed position.